

AGW

Notice of Allowability

Application No.

09/845,322

Examiner

Hai C. Pham

Applicant(s)

MORI ET AL.

Art Unit

2861

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 09/20/05.
2. ☒ The allowed claim(s) is/are 7-11,23-28,30-34,36-41,43-47,49-53,55-59,61-65,67-71,73-82,84-89,91-103,105-110 and 112-119.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|--|

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: the claims are patentable over the prior art patents and printed publications because of the specific configuration of the image recording apparatus, which includes a recording section for exposing the light and heat sensitive recording material to visible light, a thermal developing section for developing the latent image by heating and a fixing section for fixing the developed image with visible light, and wherein the light and heat sensitive recording comprises a recording layer containing a color-forming component A encapsulated in heat-responsive microcapsules, and a photo-polymerizable composition outside the heat-responsive microcapsules, the photo-polymerizable composition including at least a substantially colorless compound B, which has in one molecule a polymerizable group and a site capable of reacting with the color-forming component A to form color, and a photo-polymerization initiator (with reference to claims 7, 23), wherein the light and heat sensitive recording comprises a recording layer containing a color-forming component A encapsulated in heat-responsive microcapsules, and a photo-polymerizable composition outside the heat-responsive microcapsules, the photo-polymerizable composition including at least a substantially colorless compound C capable of reacting with the color-forming component A to form color, a photo-polymerizable compound D, and a photo-polymerization initiator (with reference to claims 8, 112), wherein the light and heat sensitive recording material is provided with a recording layer containing a substantially colorless compound C that is encapsulated in heat-responsive microcapsules and is capable of reacting with a color-

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forming component A to form color, and a photo-polymerizable composition outside the heat-responsive microcapsules, the photo-polymerizable composition including at least a color-forming component A, a photo-polymerizable compound D, and a photo-polymerization initiator (with reference to claims 9, 113), wherein the light and heat sensitive recording material is provided with a recording layer containing an oxidant precursor E encapsulated in heat-responsive microcapsules, an activator G outside the heat-responsive microcapsules, the activator G being capable of reacting with the oxidant precursor E to form an oxidant F, and a dye-forming coupler H capable of coupling with the oxidant F to form a dye (with reference to claims 10, 114), wherein the light and heat sensitive recording material is provided with a recording layer which containing an oxidant precursor E outside heat-responsive microcapsules, an activator G encapsulated in the heat-responsive microcapsules, the activator G being capable of reacting with the oxidant precursor E to form an oxidant F, and a dye-forming coupler H capable of coupling with the oxidant F to form a dye (with reference to claims 11, 115), and wherein the recording section includes a short wavelength light source that has an intensity maximum in a wavelength range of 300-450 nm, the short wavelength light source being a semiconductor laser of Group III (with reference to claim 97). The combined limitations as currently recited in each of the aforementioned claims are not taught by the prior art of record considered alone or in combination.

Claims 24-28, 30-34, 36-41, 43-47, 49-53, 55-59, 61-65, 67-71, 73-82, 84-89, 91-96, 98-103, 105-110 and 116-119 are allowed because they are directly or indirectly dependent from the aforementioned claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai C. Pham whose telephone number is (571) 272-2260. The examiner can normally be reached on M-F 8:30AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Talbott can be reached on (571) 272-1934. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



HAI PHAM
PRIMARY EXAMINER

November 23, 2005